

SECTION 5: DSRS FOR X/Motif REFERENCE GUIDE

5.1 DSRS MAIN WINDOW

The DSRS Main Window contains menus, icons, RA list, and messages fields. The DSRS Main Window is shown in Figure 5-1.

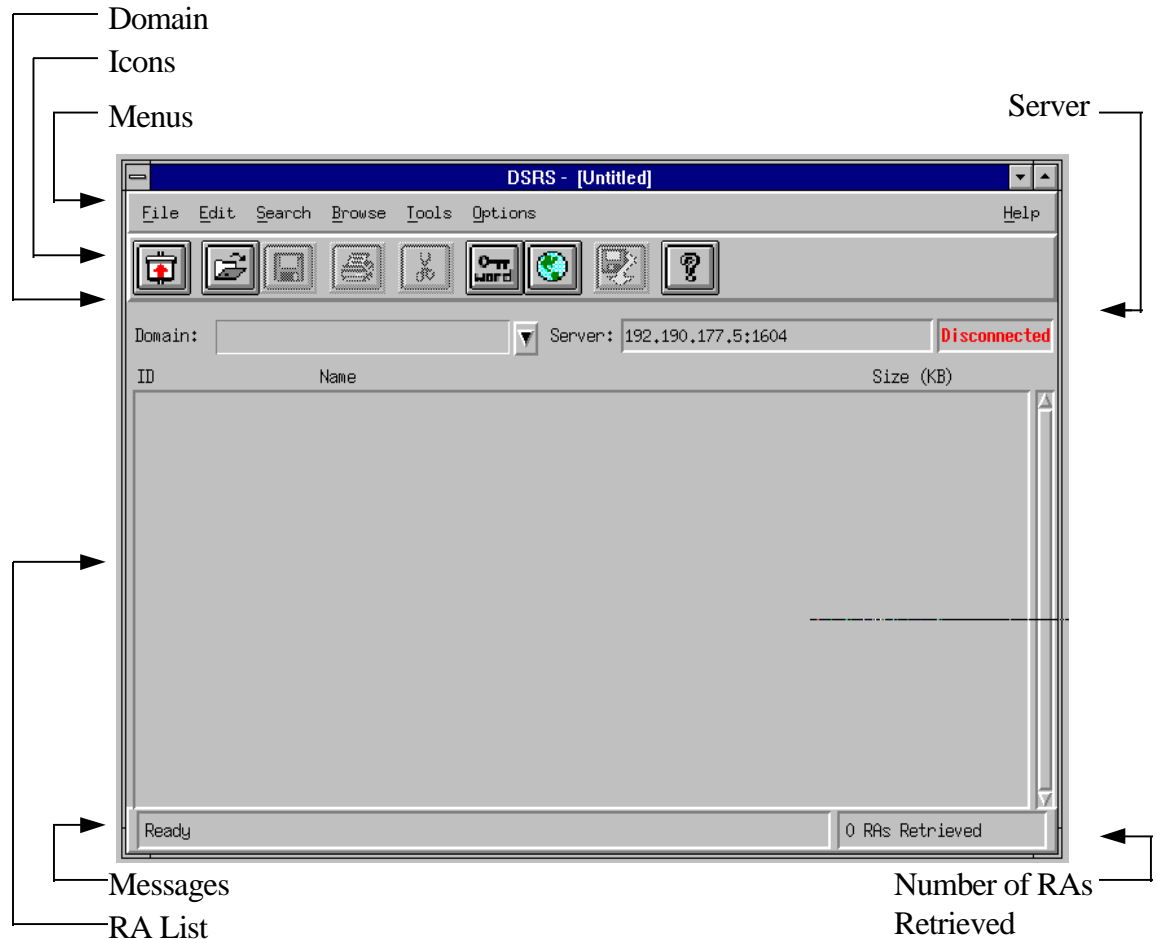


Figure 5-1. DSRS Main Window

The following **Menus** are on the menu bar of the DSRS window: File, Edit, Search, Browse, Tools, Options, and Help. These menus allow user to maintain sessions, edit RA lists, search, browse RAs, connect to the DSRS server and obtain help. Table V-I describes the functions of each menu.

The **Icons** are located in the button bar and provide quick access to frequently used functions. They perform the same functions as the following: Connect/Disconnect, Open Session, Save Session, Delete RA, Find Keyword, Extract, and Help.

The **Domain** field contains the name of the domain where the RA resides. A domain name will display after a successful search. When an RA List contains RAs from more than one domain, the **Domain** field will indicate "--Multiple--."

The **Server** field displays the name of the DSRS server you are connected to with a **Connected/Disconnected** informational message.

The **Messages** field displays any informational messages from the DSRS. These messages are different from dialog boxes which require a response in order to execute the information.

The **RA List** displays RA Name, RA ID, and the total size of an RA. It can be sorted by RA ID or RA Name using the function Sort List from the Options menu.

The **Number of RAs Retrieved** field displays the number of RAs displayed on the DSRS window.

Table V-I. DSRS Main Window

MENU	DESCRIPTION	SECTION
FILE	Allows user to open a new session or open an existing session, save a session, connect or disconnect from the DSRS server, extract RA files, print and exit the DSRS.	5.2
EDIT	Delete RAs from a list.	5.3
SEARCH	Search for RAs by RA ID, RA Names, and by matching keywords. Also connects to the WWW.	5.4
BROWSE	Displays descriptive information for a selected RA such as the associated file list, metrics, and related RA list. This feature is available only after an RA has been selected and highlighted.	5.5
TOOLS	Provides tools such as Analyze to display metric values for all RAs that are displayed on the users screen, clears local catalog, or sorts the RA List. This function is available only after RAs have been selected.	5.6
OPTIONS	Provides the capability to change passwords, specify preferences, enter configuration information, and enter WWW browser and URL information.	5.7
HELP	Obtain help.	5.8

5.2 FILE

Description. Contains the following functions: New Session, Open Session, Save Session, Save Session As, Connect, Disconnect, Extract RA Files, and Exit.

Table V-II provides a description of each function. The File pull-down menu is shown in Figure 5-2.

Table V-II. The File Command Menu

MENU	DESCRIPTION	SECTION
NEW SESSION	Clears the current RA List to allow the user to start a new session.	5.2.1
OPEN SESSION	Retrieves a previously saved session file.	5.2.2
SAVE SESSION	Saves the current RA List.	5.2.3
SAVE SESSION AS	Saves the current RA List under the filename that is specified by the user.	5.2.4
CONNECT	Connects to DSRS server.	5.2.5
DISCONNECT	Disconnects from the DSRS server.	5.2.6
EXTRACT RA FILES	Enables users to extract file copies of RAs to their destination directory, request a tape or hard copy of an RA from the DSRS Librarian, or to extract and send RAs to a remote destination by using FTP capabilities.	5.2.7
EXIT	Exits the DSRS.	5.2.8

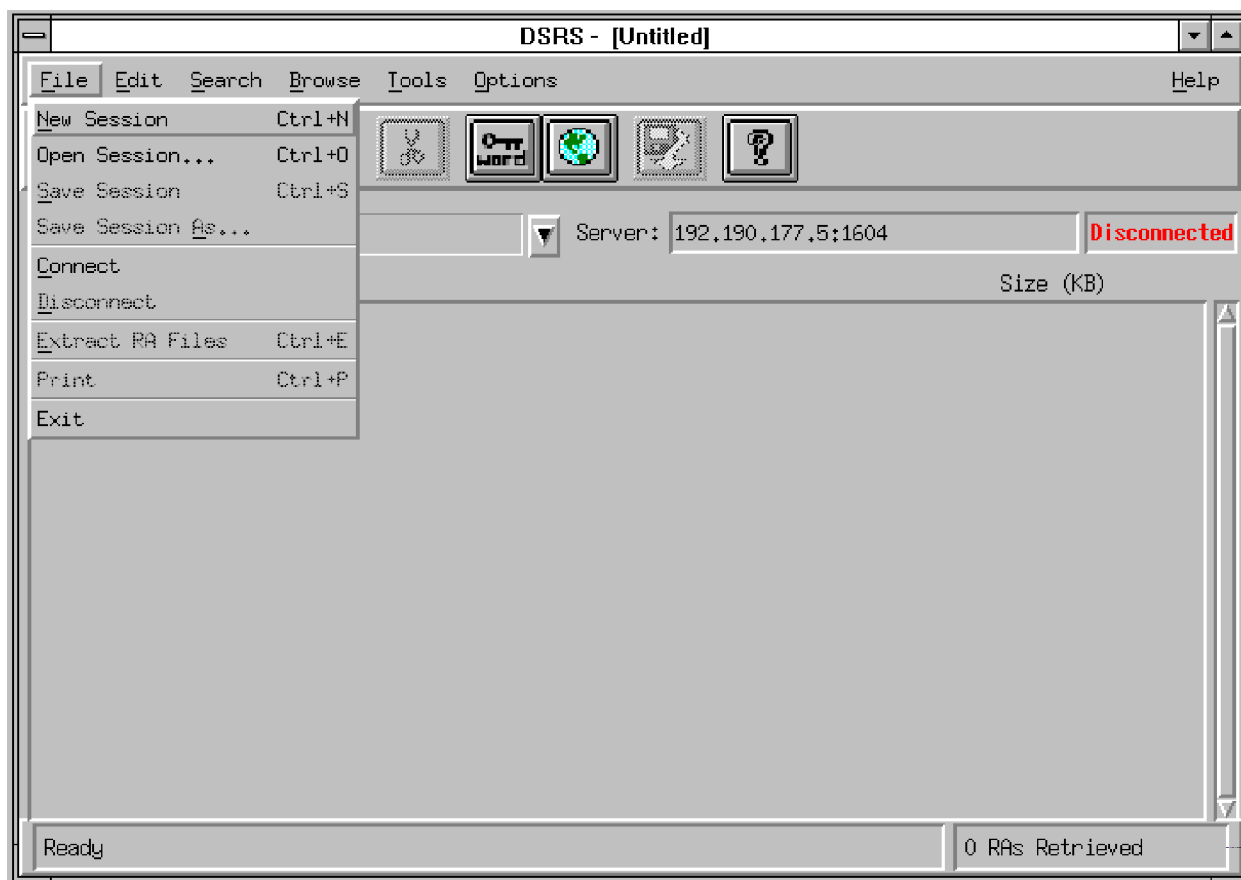


Figure 5-2. File Pull-Down Menu

5.2.1 NEW SESSION

Function. Clears the current RA List.

To Start a New Session:

1. Click **New Session** from the **File** pull-down menu.
2. If there is an unsaved RA List in the work space, the DSRS displays a dialog box that asks, “**Would you like to save this session?**” Click **Yes** to save the current session and the RA List will clear, **No** to clear the RA List without saving, or **Cancel** to return to the current RA List.

5.2.2 OPEN SESSION

Function. Retrieves a previously saved session file.

To Open a Session:

1. Click **Open Session** from the **File** pull-down menu or the **Open Session** icon. The **Open Session** dialog box is displayed.
2. Select the file/session that you want to retrieve.
3. Click **OK** to open the session or **Cancel** to exit this function.



5.2.3 SAVE SESSION

Function. Saves the current session for use at a later date. Since the server database is updated periodically, this information should not be saved over a long period of time.

To Save a Session:

1. Click **Save Session** from the **File** pull-down menu. The **Save Session As** dialog box is displayed.
2. Enter file name in the field below the words “Save As:.” The default extension for session files is *.ses.
3. Click **OK** to save session or **Cancel** to cancel the process.

5.2.4 SAVE SESSION AS

Function. Saves a session under a new session file name. Since the server database is updated periodically, this information should not be saved over a long period of time.

To Save a Session As:

1. Click **Save Session As** from the **File** pull-down menu. The system displays the **Save Session As** dialog box.
2. Enter file name in the field below the words “Save As:.” The default extension for session files is *.ses.
3. Click **OK** to save session or **Cancel** to cancel the process.

5.2.5 CONNECT

Function. Allows a user to connect and login to the DSRS server. Prior to connecting to the DSRS server, the user needs to provide the server information for the Network Function (section 5.7.3).

To Connect to the DSRS Server:

1. Click **Connect** from the **File** pull-down menu or the **Connect to Server** icon. The Login screen will display, prompting for a **User ID** and **Password** as shown in Figure 5-3.

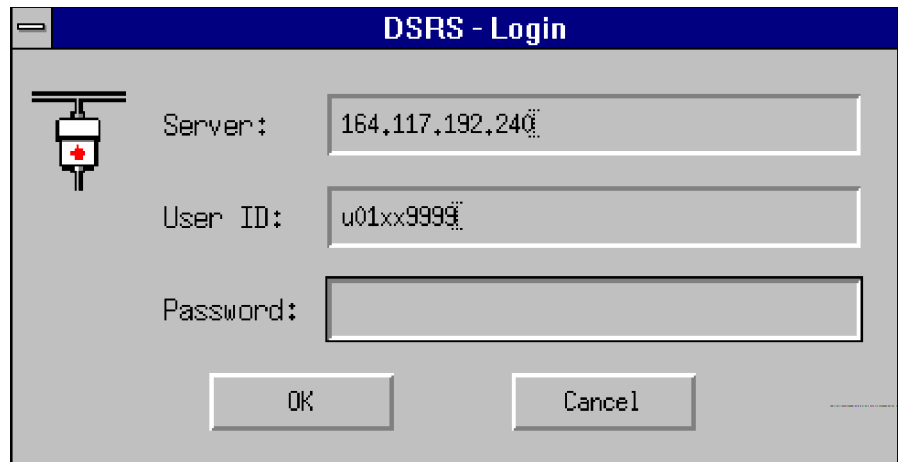


Figure 5-3. Login Screen

2. Enter your assigned **User ID** and **Password**. Use the mouse to move between fields.

For security purposes, your password will not be echoed as you type.

3. Click **OK** to continue the login process or **Cancel** to cancel the process.

If you entered your User ID or Password incorrectly the DSRS will display an error message. To clear the error message, click **OK** and repeat the steps to login.

WARNING: Login attempts are limited by the DSRS to reduce the risk of unauthorized access. The number of login

attempts for the DSRS is determined and set by the DSRS Staff. If the user tries to login unsuccessfully beyond the login threshold, the account will be disabled. If your account is disabled, contact the DSRS Staff to have your account reset.


4. When you successfully login to the DSRS, a dialog box displays with the message **Login successful**. Click **OK** to continue. The message **Connected** will display in the **Server** field.

If the DSRS times out when attempting to connect to the server, the timeout in the Network function needs to be set to a higher number which will increase the amount of time.

5.2.6 DISCONNECT

Function. Allows the user to disconnect from the DSRS server.

To Disconnect from DSRS Server:
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1. Click **Disconnect** from the **File** pull-down menu or the **Disconnect from Server** icon.  The **Disconnect** dialog box is displayed and asks "**Do you really want to disconnect from the server?**"
2. Click **Yes** to disconnect from the DSRS server or **No** to remain connected. If you select **Yes**, the message **Disconnected** will display in the **Server** field in the DSRS window.

After the DSRS server has been disconnected, you can still utilize active functions from that session before exiting the DSRS.

5.2.7 EXTRACT RA FILES

Function. Transfers RA files to your local workstation remote host, submit a tape or hard copy request to the DSRS Librarian.

To Extract RA File(s):

1. Select an RA(s) from the RA List. To select multiple RAs, hold the **Ctrl** key while you click the mouse, or the **Shift** key while you drag the mouse.
2. Click **Extract RA Files** from the **File** pull-down menu or the **Extract** icon. The **Extract RAs** dialog box is displayed as shown in Figure 5-4 with the RAs selected and any related RAs. 

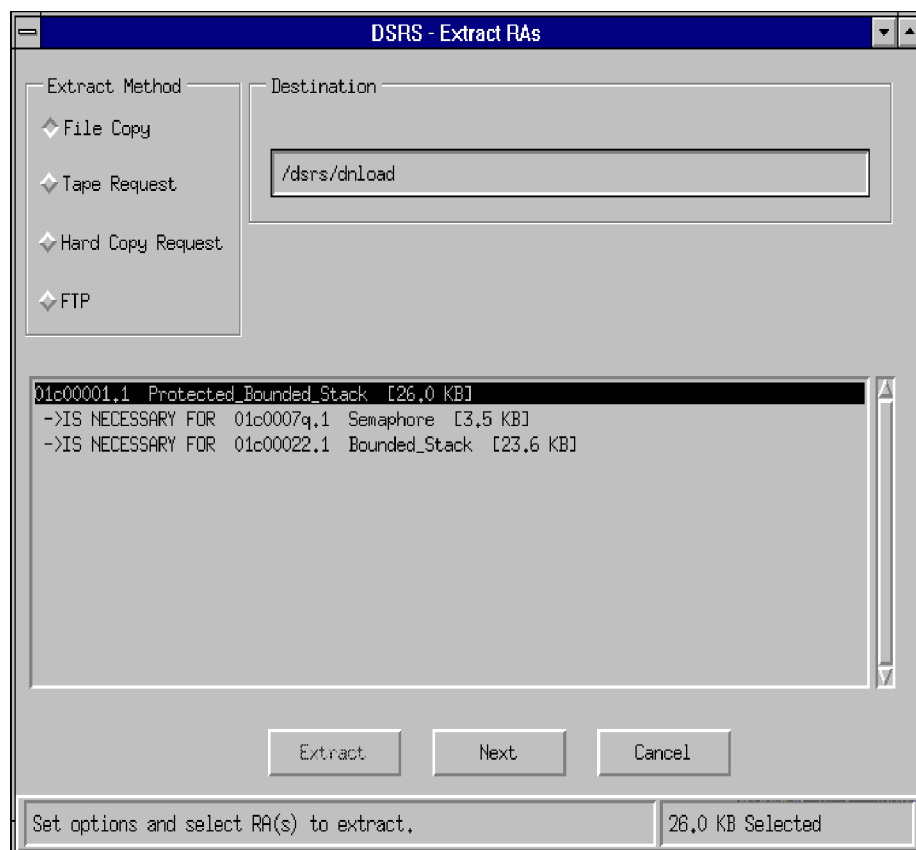


Figure 5-4. Extract RAs Dialog Box

3. In the **Extract RAs** window, highlight one or more RAs or Related RAs and click **Next**. The selected RA(s) and the corresponding RA File(s) will be displayed.
4. All file names are highlighted. If you do not want to download all the files, highlight the RA Files you wish to extract.
5. Select the extract method. The options are:
 - **File Copy:** Transfers RA files to your local directory.

Once **File Copy** is selected, view the destination directory in the **Destination** box. If the directory needs to be changed, click **Change** to modify the directory. The **Destination Directory** window will be displayed. Type in the complete directory name and click **OK**, or click **Cancel** to exit.

To initiate the extract process for the selected RA files, click the **Extract** button on the bottom of the **Extract RAs** screen. To exit this function without executing a transfer, click **Cancel** in the **Extract RAs** window. To return to the list of RA IDs and Related RAs, click **Back**.

The **Copying RA Files** window will be displayed as the files are being extracted. The window displays the RA ID, the RA Name, and the file being transferred.

Status bars indicating the extraction status are also displayed as shown in Figure 5-5.

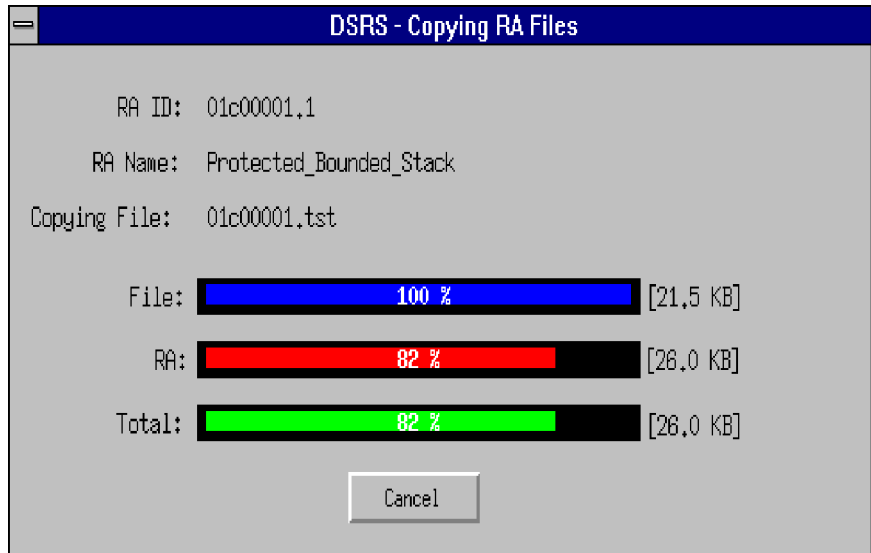


Figure 5-5. Extraction Status

- **Extraction Status:** the size (in KB) of the **File**, **RA** file(s), and **Total** size currently being extracted is displayed on the right-hand side of the status bar.

To abort the extract process, click **Cancel** in the **Copying RA Files** window.

If a file being transferred already exists in the destination directory, you are prompted to confirm whether to replace the existing file or not. If you choose not to replace it, you are prompted to rename the file.

- **Tape Request:** sends a message to the DSRS Librarian requesting a tape copy of the RA File(s) you selected.
- **Hard Copy Request:** sends a message to the DSRS Librarian requesting a hard copy of the RA File(s) you selected.

To initiate the request process for the selected RA files, click the **Extract** button on the bottom of the **Extract RAs** screen. To exit this function without executing a transfer, click **Cancel** in the **Extract RAs** window. To return to the list of RA IDs and Related RAs, click

Back.

The **Requesting RA Files** window will be displayed as the request is being sent. The window displays the RA ID, the RA Name, and the file being requested. To abort the extract process, click **Cancel** in the **Requesting RA Files** window.

Status bars indicating the extraction status are also displayed:

- **RA:** the number of currently selected files of the requested RA is displayed on the right-hand side of the status bar.
- **Total:** the total number of selected files requested is displayed on the right-hand side of the status bar.
- **FTP:** Transfers the RA files to a specified remote host. FTP requires a remote host account login.

Once FTP is selected, the **Remote Destination** box is displayed. Enter the Internet hostname or IP address of the remote host in the **Host Name** field. Enter the user name in the **User Name** field, and the password in the **Password** field for authentication at the remote destination host.

If the check box for **Advanced FTP Options** is selected, three new fields are displayed. Enter the supplemental password in the **Account Name** field for the remote destination host. The **Port Number** field displays the well-known default port for FTP (21). The user may specify the directory on the remote host where the RA(s) is to be transferred using the **Remote Path** field.

To initiate the extract process for the selected RA files, click the **Extract** button on the bottom of the **Extract RAs** screen. To exit this function without executing a transfer, click **Cancel** in the **Extract RAs** window. To return to the list of RA IDs and Related RAs, click

Back.

The **FTPing RA Files** window is displayed as the files are being transferred. The window displays the RA ID, the RA Name, and the file being transferred.

A status bar indicating the extraction status is also displayed as shown in Figure 5-5.

To abort the extract process, click **Cancel** in the **FTPing RA Files** window.

If, while executing a remote **FTP** extract, a duplicate filename is encountered at the remote destination host, and the remote host supports FTP unique filenames, a '.1' will be appended to the filename. This process continues up to '.99' at which point an error message is printed and the transfer does not take place.

5.2.8 EXIT

Function. Exits the DSRS.

To Exit the DSRS:

1. Click **Exit** from the **File** pull-down menu.
3. If there is an unsaved RA List in the workspace, the DSRS displays a dialog box that asks, "**Would you like to save this session?**" Click **Yes** to save the session and exit the DSRS, **No** to exit the DSRS without saving, or **Cancel** to cancel the exit process and return to the current session.

5.3 EDIT

Description. The system currently provides a Delete RA function.

5.3.1 DELETE RA

Function. Removes an RA from the RA List.

To Delete RA(s):

1. Click the selected RA on the RA List. To select multiple RAs hold the **Ctrl** key while clicking the mouse or the **Shift** key while you drag the mouse.
2. Click **Delete RA** from the **Edit** pull-down menu or the **Delete RA** icon.
3. A dialog box appears with the message “**Delete the selected RAs from the list?**”. Click **Yes** to delete the selected RA(s) from the current list, or **No** to return to the list.



5.4 SEARCH

Description. Searches RAs using the following options: List RA IDs, List RA Names, Find Keywords, and View WWW Catalog.

Table V-III provides a description of each option. The Search pull-down menu is shown in Figure 5-6.

Table V-III. The Search Command Menu

MENU	DESCRIPTION	SECTION
LIST RA IDS	List RA by RA Identifier.	5.4.1
LIST RA NAMES	List RA by RA Name.	5.4.2
FIND KEYWORDS	List RA based on a keyword(s).	5.4.3
VIEW WWW CATALOG	Provides the DSRS catalog via the World-Wide Web.	5.4.4

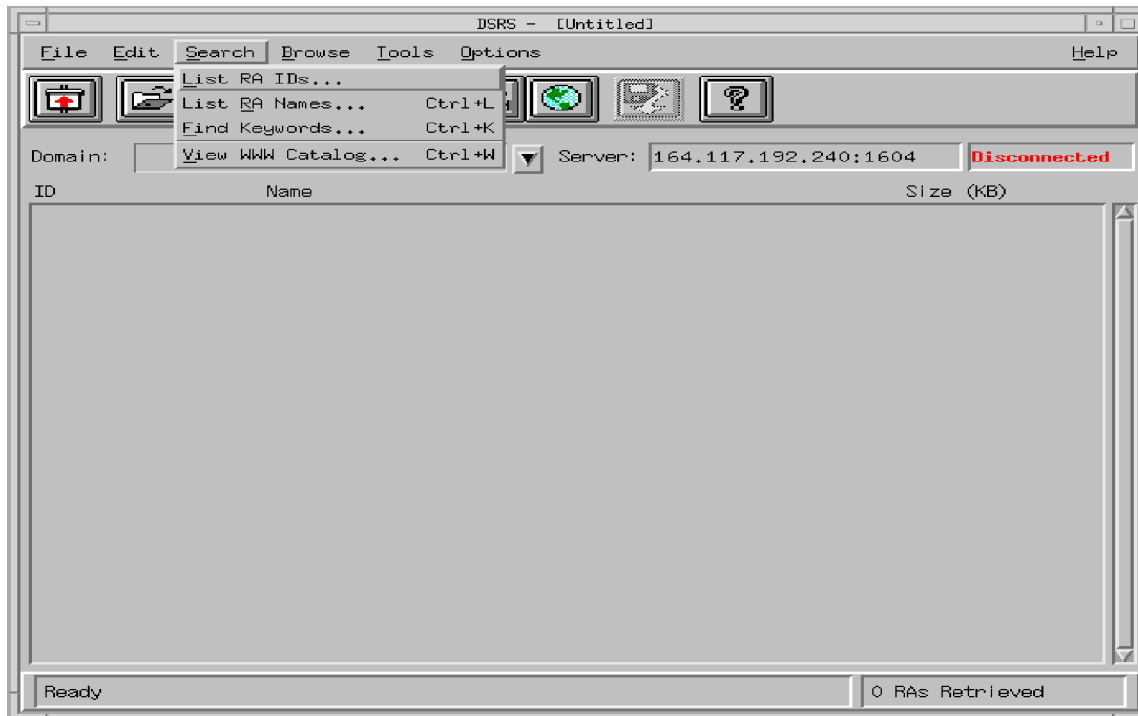


Figure 5-6. Search Pull-Down Menu

5.4.1 LIST RA IDs

Function. Searches and lists RAs by the RA Identifier specified. The RA ID is an eight-position alphanumeric identification assigned to each RA.

To Search and List By RA IDs:

1. Click **List RA IDs** from the **Search** pull-down menu. The **List RA IDs** dialog box displays.
2. Select domain(s) by clicking the **Select** button next to the domain box. The **Select Domains** dialog box is displayed as shown in Figure 5-7.

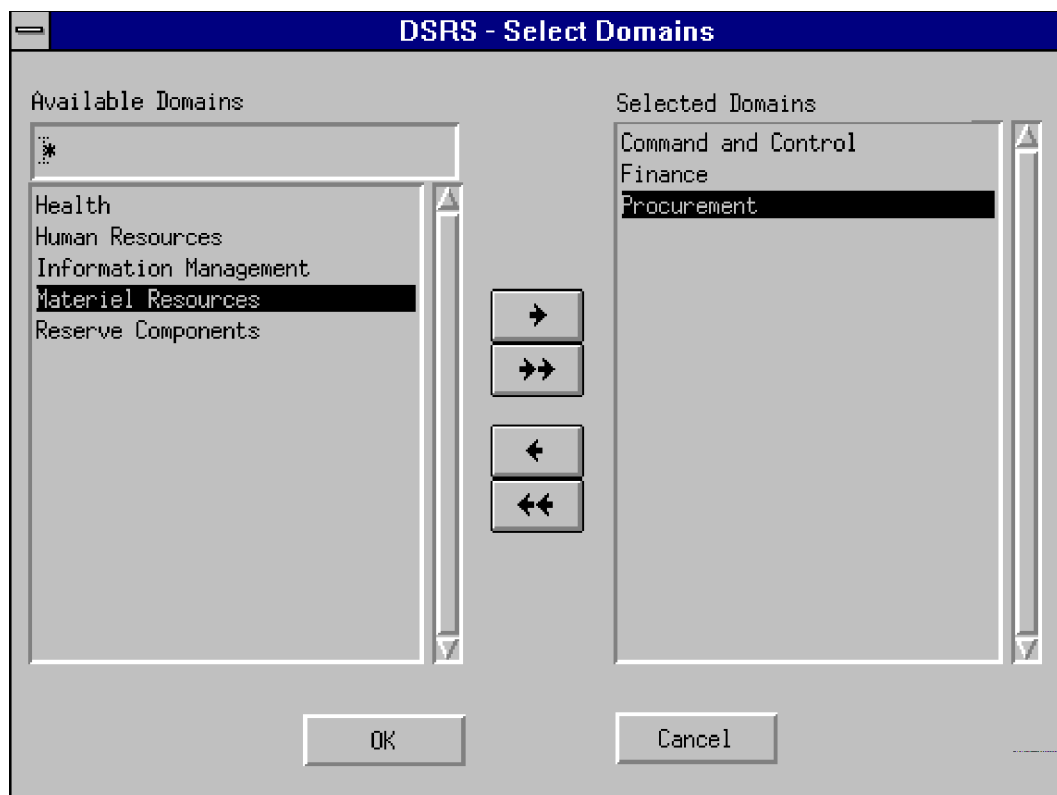
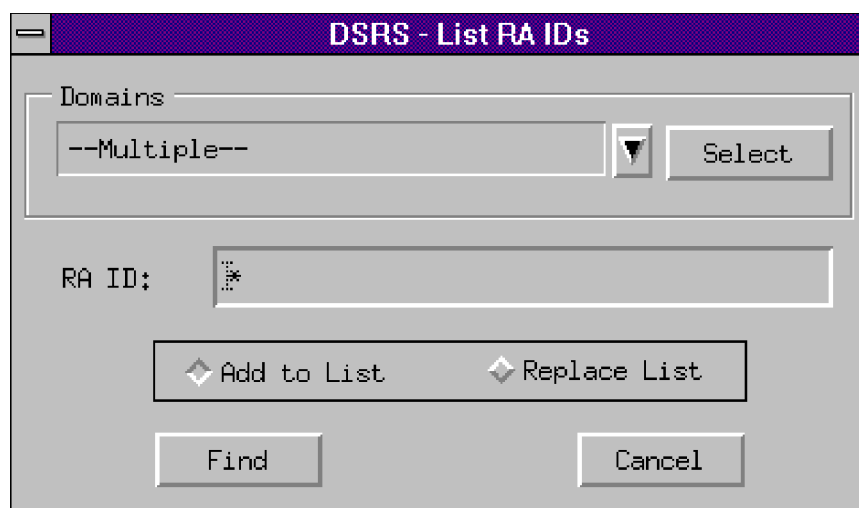


Figure 5-7. Select Domains

3. Select a domain by clicking on a domain in the **Available Domains** box, then clicking the single right arrow button from the **Select Domains** dialog box. To select all domains, click the double right arrow. To remove a selected domain, highlight the item and

click the single left arrow. To remove all selected domains, click the double left arrow.

4. Click **OK** to accept the domains that you have selected for your search, or **Cancel** to cancel the domain selection process.
5. Selecting multiple domains to search, the Domains field will indicate "--Multiple--." To view the list of



domains in the Domains field, click the down arrow in the right corner of the domain field. To close the drop-down list, click the arrow button.

6. Enter the RA ID (case sensitive) in the RA ID box as shown in Figure 5-8. To retrieve a specific RA, enter the full RA ID, including the version number suffix (e.g., 01cc03a.1). To retrieve RAs with a particular string in the RA ID, enter the string description using

the wildcard asterisk (*) character (e.g., 01* to match all RAs with an ID beginning with '01.')

If you type just an asterisk (*), the DSRS will attempt to list all RAs in the specified domain(s).

Figure 5-8. List RA IDs Dialog Box

7. Click **Add to List** to add new RA list to the top of the previous list. The new RA list will be highlighted to distinguish the new list from the old list.
8. Click **Replace List** to replace the current list with the new RA list.
9. Click **Find** to execute the search. If the RA ID you entered matches one or more RA IDs in the repository, then the RA(s) will be listed on the DSRS window and sorted by RA ID. The domain(s) you searched will appear in the **Domain** field in the Main Window.
10. Click **Cancel** to cancel the search process.

5.4.2 LIST RA NAMES

Function. Searches and lists RA by RA Name.

To Search and List By RA Names:
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1. Click **List RA Names** from the **Search** pull-down menu. The **List RA Names** dialog box displays.
2. Select domain(s) by clicking the **Select** button next to the domain box. The **Select Domains** dialog box is displayed as shown in Figure 5-7.
3. Select an available domain by highlighting a domain in the **Available Domains** box and clicking the single right arrow button from the **Select Domains** dialog box. To select all domains, click the double right arrow. To remove a selected domain, highlight the item and click the single left arrow. To remove all selected domains, click the double left arrow.
4. Click **OK** to accept the domains that you have selected for your search, or **Cancel** to cancel the domain selection process.
5. Selecting multiple domains to search, the Domains field will indicate "--Multiple--." To view the list of domains in the Domains field, click the down arrow in the right corner of the combo box. To close the drop-down list, click the arrow button.
6. Enter the name (case sensitive) of the RA as shown in Figure 5-9. To retrieve a single RA, the name must exactly match an RA Name in the repository. To retrieve RAs with a particular string in the RA name, enter the string description using the wildcard asterisk (*) character. (e.g., *sort* to match all RAs with the lower case word 'sort' in the name.)

If you enter just an '*', DSRS will attempt to list all RAs in the specified domain(s).

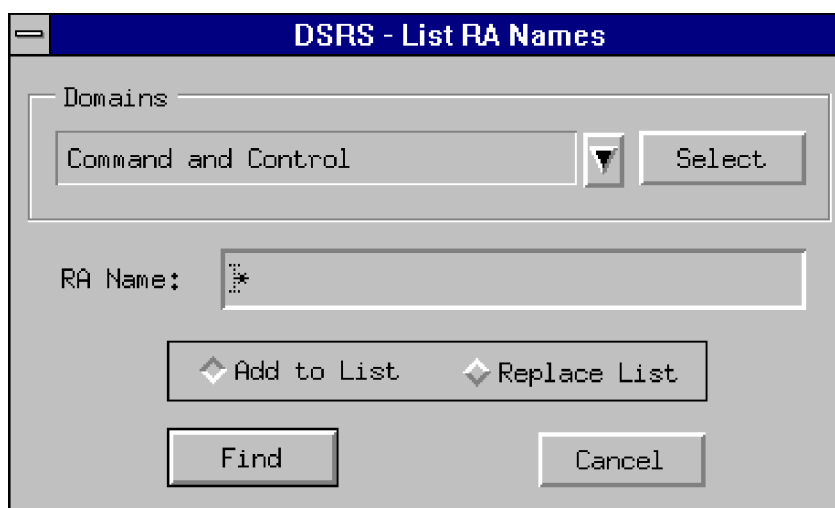


Figure 5-9. List RA Names Dialog Box

7. Click **Add to List** to add a new RA list to the top of the previous list. The new RA list will be highlighted to distinguish the new list from the old list.
8. Click **Replace List** to replace the current list with the new RA list.
9. Click **Find** to execute the search process. If the RA Name you entered matches one or more RA names in the repository, then those RAs will be listed on the DSRS window and sorted by the RA Name. The domain(s) you searched will appear in the **Domain** field in the Main Window.
10. Click **Cancel** to cancel the search process.

5.4.3 FIND KEYWORDS

Function. Searches RAs by keywords. The maximum number of RAs that will be displayed is equal to the user's search threshold times the number of domains being searched with all duplicate RAs only being displayed once.

To Search by Keywords:

1. Click **Find Keywords** on the **Search** pull-down menu, or the Keyword Search button on the button bar. The **Keyword Search** dialog box displays.
2. Select domain(s) by clicking the **Select** button next to the domain box. The **Select Domains** dialog box is displayed as shown in Figure 5-7.
3. Select a domain by clicking a domain in the **Available Domains** box, then clicking the single right arrow button from the **Select Domains** dialog box. To select all domains, click the double right arrow. To remove a selected domain, highlight the item and click the single left arrow. To remove all selected domains, click the double left arrow.
4. Click **OK** to accept the domains that you have selected for your search, or **Cancel** to cancel the domain selection process.
5. Selecting multiple domains to search, the Domains field will indicate "--Multiple--." To view the list of domains in the Domains field, click the down arrow in the right corner of the domain field box. To close the drop-down list, click the arrow button.
6. Type the keyword(s) (not case sensitive) in the **Keyword** box as shown in Figure 5-10. A Keyword containing a hyphen is treated by the DSRS as two keywords.

The boolean operators AND, OR, NOT and ADJ are useful in narrowing down the keyword search. The AND operator would return RAs containing all keywords. The OR operator returns RAs containing either keyword. The NOT operator rejects RAs containing the keyword. The ADJ operator returns RAs containing the

followed immediately by another keyword with no other words in between.

Keywords can be right truncated by ending the word with the asterisk (*). This would match keywords with the characters before the asterisk and ignore any trailing characters.

7. Click **Add to List** to add new RA list to the top of the previous list. The new RA list will be highlighted to distinguish the new list from the old list.
8. Click **Replace List** to replace the current list with the new RA list.

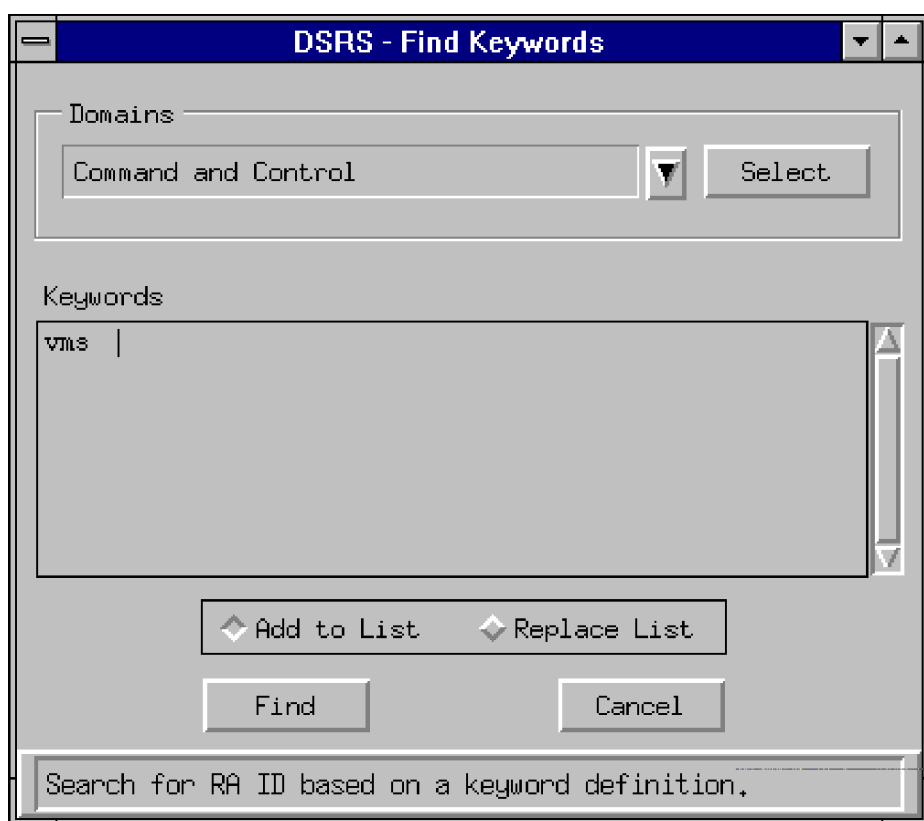


Figure 5-10. Keyword Search Dialog Box

9. Click **Find** to begin the search process. A list of RAs that match all the keywords will be displayed on the DSRS Main window. The domain(s) you searched will be added to the **Domain** field.
10. Click **Cancel** to cancel the search process.

5.4.4 VIEW WWW CATALOG

Function. Allows users to view the DSRS catalog via the World Wide Web (WWW). Prior to performing this function, be sure to specify a WWW Browser from the **Options** menu (section 5.7.4).

To View the WWW Catalog:

1. Click **View WWW Catalog** from **Search** on the pull-down menu.
2. The system will launch the browser that was specified under the **Options** menu.
3. Refer to the WWW Browser user manual to obtain information from the WWW.